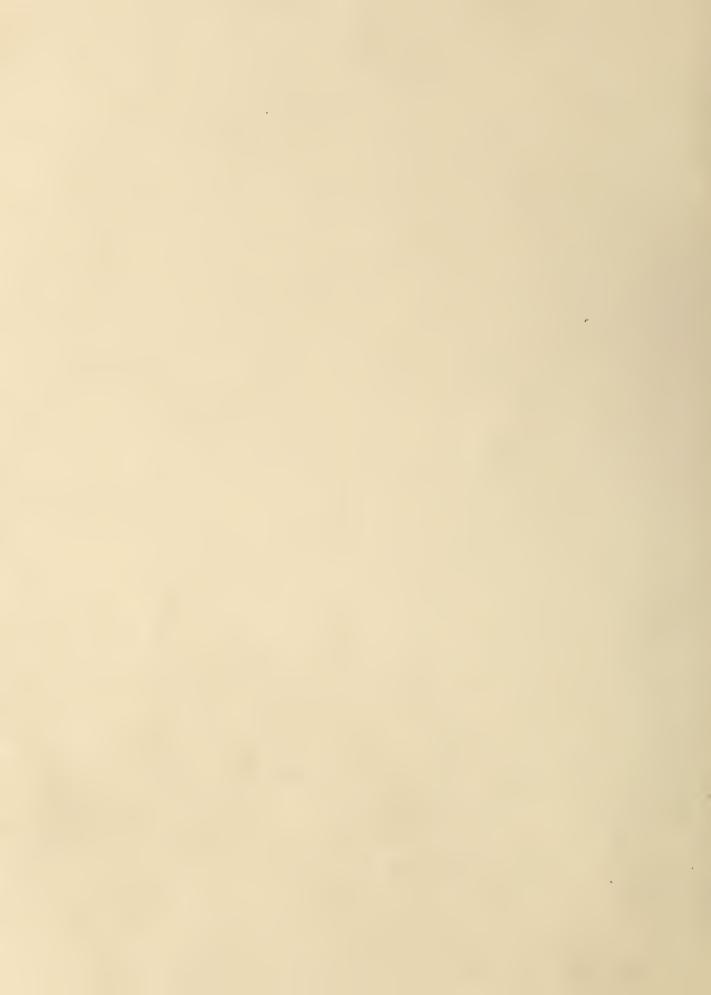
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WATER SUPPLY OUTLOOK FOR COLORADO AND NEW MEXICO



U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

COLORADO STATE UNIVERSITY EXPERIMENT STATION
STATE ENGINEER of COLORADO
APR. 1, 1975

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Cabins near Saccijawea Snow Course in Bridger Mountains, Montana.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Proadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources, Service, Parliament Building, Victoria, British Columbia

WATER SUPPLY OUTLOOK FOR COLORADO AND NEW MEXICO

and
FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

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STATE CONSERVATIONIST SOIL CONSERVATION SERVICE ALBUOUERQUE, NEW MEXICO

In Cooperation with

JOHN PATRICK JORDAN

DIRECTOR C S U EXPERIMENT STATION S. E. REYNOLDS

STATE ENGINEER STATE OF NEW MEXICO C. J. KUIPER

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Report prepared by

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> SOIL CONSERVATION SERVICE SNOW SURVEY UNIT P.O. BOX 17107 DENVER, COLORADO 80217

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WATERSHED II - ARKANSAS RIVER WATERSHED

Describes water supply conditions in Lake County, Upper Arkansas, Fremont, Custer County Divide, Fountain Volley, Black Squirrel, Horse-Rush Creek, Central Colorado, Turkey Creek, Pueblo, Bessemer, Olney Boone, Cheyenne, Upper Huerfano, Stonewall, Spanish Peaks, Purgatoire, Branson Trinchera, Western Baca, Southeastern Baca, Two Buttes, Bent, Timpas, Northeast Prowers, Prowers, Kiowa County, West Otero, East Otero, and Big Sandy Soil Conservation Districts.

WATERSHED III -RIO GRANDE WATERSHED (COLORADO)

Describes water supply conditions in Rio Grande, Center, Conejos, Mosca Hooper, Mt. Blanca, Sanchez, and Culebra Soil Conservation Districts.

WATERSHED IV -RIO GRANDE WATERSHED (NEW MEXICO)

Describes water supply conditions in Upper Chama, East Rio Arriba, Taos, Lindrith, Jemez, Santa Fe - Pojoaque, Sandoval, Tijeras, Cuba, and Edgewood Soil Conservation Districts.

WATERSHED V - DOLORES, SAN JUAN, AND ANIMAS RIVERS WATERSHED

Describes water supply conditions in San Miguel Basin. Dove Creek, Dolores, Mancos, LaPlata, Pine River, San Juan, San Miguel Basin, and Glade Park Soil Conservation Districts.

WATERSHED VI - GUNNISON RIVER WATERSHED

Describes water supply conditions in Delta, Gunnison, Cimarron, Shavano, and Uncompandere Soil Conservation Districts.

WATERSHED VII - COLORADO RIVER WATERSHED

Describes water supply conditions in DeBeque, Plateau Valley, Lower Grand Valley, Bookcliff, Eagle County, Middle Park, Glade Park, Upper Grand Valley, South Side, and and Mt. Sopris Soil Conservation Districts.

WATERSHED VIII -YAMPA, WHITE AND NORTH PLATTE RIVERS WATERSHED

Describes water supply conditions in Yampa, Moffat, West Routt, East Routt, North Park, White River, and Douglas Creek Soil Conservation Districts.

WATERSHED IX -LOWER SOUTH PLATTE RIVER WATERSHED

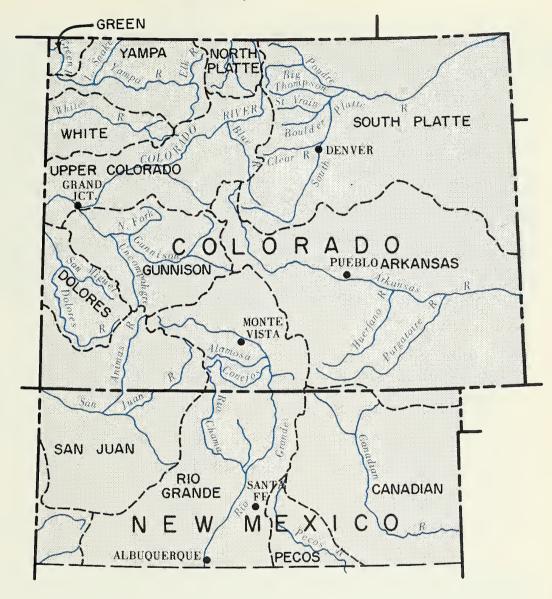
Describes water supply conditions in Sedgwick, South Platte, Haxton, Peetz, Padroni, Morgan, Rock Creek, and Yuma Soil Conservation Districts.

APPENDIX I - SNOW SURVEY MEASUREMENTS

APPENDIX II -SOIL MOISTURE MEASUREMENTS

WATER SUPPLY OUTLOOK

as of APRIL 1, 1975





GENERALLY ADEQUATE 100% OR MORE



LIMITED SHORTAGE 75% - 100%



SEVERE SHORTAGE '75% OR LESS



The map on this page indicates the most probable water supply as of the date of this report. Estimates assume average conditions of snow fall, precipitation and other factors from this date to the end of the forecast period. As the season progresses accuracy of estimates improve. In addition to expected streamflow, reservoir storage, soil moisture in irrigated areas, and other factors are considered in estimating water supply. Estimates apply to irrigated areas along the main streams and may not indicate conditions on small tributaries.

WATER SUPPLY CONDITIONS as of

APRIL 1, 1975

TWO LARGE SNOW STORMS STRUCK BOTH COLORADO AND NEW MEXICO NEAR THE END OF MARCH. THESE STORMS LEFT CONSIDERABLE SNOW IN THEIR WAKE, PARTICULARLY ALONG THE STATE LINE. SNOW ON THE WOLF CREEK AND RED MOUNTAIN PASSES PILED UP AS MUCH AS THREE FEET IN A SHORT PERIOD OF TIME. HIGH WATER IS LIKELY IN THE RIO GRANDE AND SAN JUAN BASINS IN COLORADO AND NEW MEXICO. SPRING TEMPERATURES, PRECIPITATION, AND APRIL AND MAY SNOWFALL AT THE HIGHER ELEVATIONS WILL DETERMINE THE HEIGHT OF THE PEAK RUNOFF. SOIL MOISTURE CONDITIONS ARE GENERALLY GOOD.

COLORADO -- STREAMFLOW FORECASTS IN THE SOUTHERN THIRD OF

COLORADO INDICATE POTENTIAL HIGH WATER IF CLIMATIC CONDITIONS

ARE RIGHT THIS SPRING. FLOWS IN CENTRAL COLORADO WILL BE ABOVE NORMAL

AND IN THE NORTHERN THIRD AT LEAST ADEQUATE. SOIL MOISTURE ON THE PLAINS

WAS GREATLY IMPROVED BY THE MONTH-END STORMS. CARRYOVER STORAGE IN THE

SOUTH PLATTE AREA IS GOOD, IN THE ARKANSAS DRAINAGE POOR. SNOW CAN BE

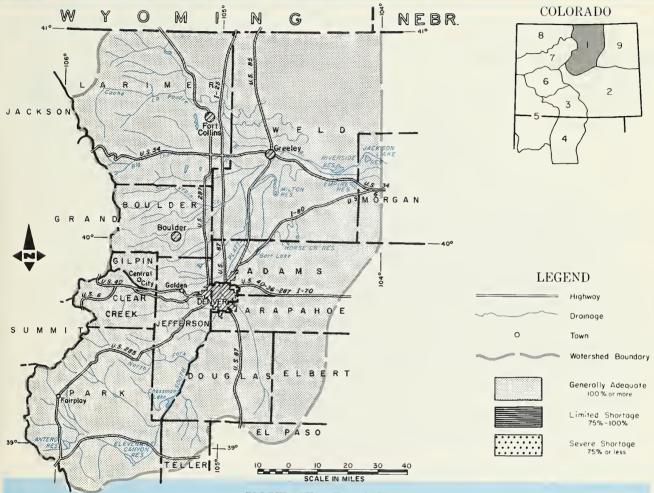
EXPECTED IN THE HIGH MOUNTAINS FOR ANOTHER MONTH.

NEW MEXICO -- MONTH-END STORMS ADDED A CONSIDERABLE AMOUNT OF SNOW TO THE RIO GRANDE AND SAN JUAN BASINS. HIGH WATER IS PROBABLE IN MOST OF THE AREAS WHERE PAST FLOODING HAS OCCURED. FLOWS SHOULD BE SIMILAR TO THOSE IN 1957 AND 1965. NOT ONLY DOES NEW MEXICO HAVE A CONSIDERABLE SNOWPACK BUT AREAS IN COLORADO THAT CONTRIBUTE TO NEW MEXICO STREAMFLOW ALSO HAVE HIGH SNOW. SOIL MOISTURE CONDITIONS ARE GENERALLY GOOD. CARRYOVER STORAGE IS NEAR NORMAL.

WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE SOUTH PLATTE RIVER WATERSHED IN COLORADO

as of APRIL 1, 1975

U.S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

THE WATER SUPPLY OUTLOOK WAS GREATLY IMPROVED BY MONTH-END STORMS. THE SNOWPACK IS NOW ABOVE NORMAL AND SUMMER FLOWS SHOULD BE GOOD. FORECASTS RANGE FROM 103% TO 114% ON THE NORTHERN TRIBUTARIES. VALLEY SOILS ARE IN FAIRLY GOOD CONDITION. IF THE SNOWFALL CONTINUES AT A NORMAL RATE WATER SUPPLIES SHOULD BE AT LEAST NORMAL OR BETTER.

This report prepared by

JACK N. WASHICHEK
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M D BURDICK - STATE CONSERVATIONIST
DENVER, COLORADO

U.S. DEPARTMENT OF AGRICULTURE — SOIL CONSERVATION SERVICE
RODNEY M. ALT - AREA CONSERVATIONIST
GETTER, CONSERVATIONIST
GETTER, CONSERVATIONIST
GETTER, CONSERVATIONIST

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

	FORE-	% of	+ Average		Flow P	eriod
FORECAST POINT	CAST	Average	Average	STREAM or AREA	Spring Season	Late Season
Big Thompson at Drake(1)	110	103	107	Bear Creek	Exc.	Avg.
Boulder at Orodell	55	112	49	Coal Creek	Exc.	Avg.
Cache La Poudre at	255	103	247	North Fork of South	Exc.	Avg.
Canyon Mouth (2)				Platte		
Clear Creek at Golden(3)	145	114	127	North Fork of Cache	Exc.	Avg.
St. Vrain at Lyons (4)	80	107	75	La Poudre		
				Ralston Creek	Exc.	Avg.
				Rock Creek	Exc.	Avg.

(1) Observed flow plus by—pass to power plants. (2) Observed flow minus trans—basin diversions plus municipal and irrigation diversions. (3) Observed flow minus diversion through August P. Gumlick Tunnel. (1) Observed flow plus change in storage in Price Reservoir.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or	Number of Courses	THIS YEAR'S SNOW WATER AS PERCENT OF			
SUB-WATERSHED	Averaged	Last Year	Average +		
Big Thompson	5	99	106		
Boulder	3	92	106		
Cache La Poudre	8	94	104		
Clear Creek	6	109	117		
Saint Vrain	3	101	110		
South Platte	3	153	137		

SOIL MOISTURE

RIVER BASIN	Number	THIS YEAR'S MOISTURE as PERCENT OF:			
	Stations	Last Year	Average +		
Big Thompson	3	114	105		
Boulder	1	131	114		
Cache La Poudre	2	86	98		
Clear Creek	1	104	104		
Saint Vrain	1	131	114		
South Platte	1	110	102		

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable	U	sable Stora	ige	RESERVOIR	Usable	U	sable Stora	ge
RESERVOIR	Capacity	This Year	Last Year	Average †	RESERVOIR	Capacity	This Year	Last Year	Average †
Antero	33	16	16	14	Halligan	6	6	6	5
Barr Lake	32	29	26	25	Horsetooth	144	103	121	111
Black Hollow	8	5	5	4	Lake Loveland	14	10	12	10
Boyd Lake	44	37	44	38	Lone Tree	9	6	8	7
Cache La Poudre	10	7	8	8	Mariano	5	5	5	5
Carter Lake	109	107	101	95	Marshall	10	7	8	5
Chambers Lake	9	4	4	3	Marston	18	16	16	15
Cheeseman	79	44	55	59	Milton	24	15	17	14
Cobb Lake	34	17	19	15	Standley	42	32	35	19
Eleven Mile	98	97	97	88	Terry Lake	8	6	6	5
Fossil Creek	12	8	9	8	Union	13	12	13	10
Gross	43	19	30	28	Windsor	19	12	1258	12 ^{riod} .

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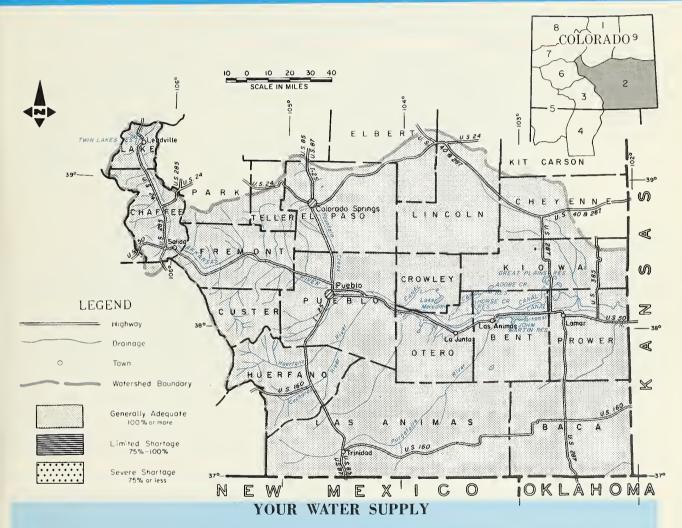


FIRST CLASS MAIL

WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE ARKANSAS RIVER WATERSHED IN COLORADO

as of APRIL 1, 1975

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



WATER SUPPLY OUTLOOK WAS AGAIN IMPROVED BY THE MONTH-END STORMS. MUCH ABOVE AVERAGE SNOW FELL OVER THE ENTIRE BASIN. THE SNOWPACK IS NOW FROM 140% TO 180% OF THE 15 YEAR AVERAGE. SUMMER STREAMFLOW SHOULD BE CONSIDERABLY ABOVE NORMAL. CARRYOVER STORAGE IS POOR. FORECASTS ARE BASED ON NORMAL CLIMATIC CONDITIONS FOR THE REMAINDER OF THE YEAR.

This report prepared by

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M. D. BURDICK - STATE CONSERVATIONIST
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D. W. GILLASPIE - AREA CONSERVATIONIST
ALAMOSA, COLORADO

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

				THE TOTAL COLLEGE COLL	in mar kespeci	to Osuai Supply
FORECAST POINT	FORE-	- % of Average		Flow P	eriod	
FORECAST FOIRT	CAST	Average	Average	STREAM or AREA	Spring Season	Late
					3683011	Season
Arkansas nr Pueblo (1)	440	152	290	Apishapa	Exc.	Exc.
Arkansas at Salida (1)	450	144	313	Fountain Creek	Exc.	Exc.
Cucharas nr La Veta	14	140	10	Grape	Exc.	Exc.
Purgatoire at Trinidad	55	145	38	Hardscrable Creek	Exc.	Exc.
				Huerfano	Exc.	Exc.
				Monument Creek	Exc.	Exc.
(1) Observed flow plus change in Clear Creek,	Twin Lake	s and Tur	quoise Res	ervoirs minus diversions through Busk Ivanhoe	Boustead Divid	le Twin Lakes
and Homestake Tunnels and Ewing, Front Pass	. Rurtz an	d Columbi	ne ditches			

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

SOIL	MOIS	TURE
------	------	------

RIVER BASIN and/or	Number of Courses	THIS YEAR'S SNOW WATER AS PERCENT OF		RIVER BASIN	Number		S MOISTURE CENT OF:
SUB-WATERSHED	Averaged	Last Year	Average +		Stations	Last Year	Average †
Arkansas Cucharas Purgatoire	10 1 1	123 130 149	141 181 161	Arkansas Cucharas and Purgatoire	2	105 68	110 46

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable	Usable Storage		age	DECERTION	Usable	U	sable Stora	ige
RESERVOIR	Capacity	This Year	Last Year	Average †	RESERVOIR	Capacity	This Year	Last Year	Average
Adobe Clear Creek Cucharas Great Plains Horse Creek	62 11 40 150 27	0 2 0 0 0	20 4 7 51 0	17 8 3 61 7	John Martin Meredith Model Turquoise Twin Lakes	354 42 15 121 58	8 0 0 38 16	29 27 7 49 36	91 14 4 26

+ 1958-1972 period.

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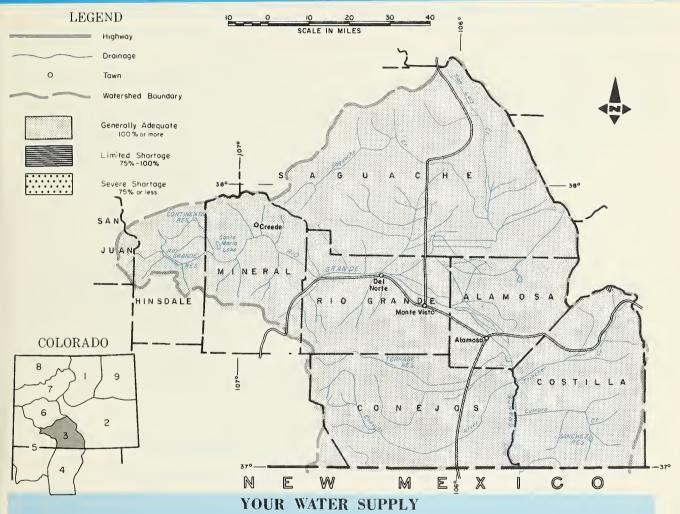


FIRST CLASS MA

WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE UPPER RIO GRANDE WATERSHED IN COLORADO

as of APRIL 1, 1975

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



LATE MARCH SNOWFALL WAS MUCH ABOVE NORMAL. A NUMBER OF LOW ELEVATION SNOW COURSES ARE NEAR A MAXIMUM OF RECORD. SNOW AT HIGH ELEVATION SNOW COURSES ARE SIMILAR TO 1957 AND 1965. SNOME HIGH WATER CAN BE EXPECTED. MUCH WILL DEPEND UPON THE EARLY SUMMER TEMPERATURES AND THE SNOWFALL DURING APRIL. CARRYOVER STORAGE IS SLIGHTLY BELOW NORMAL. FORECASTS ARE BASED ON NORMAL CLIMATIC CONDITIONS FOR THE REMAINDER OF THE YEAR.

This report prepared by

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ORNVER, COLORADO

U.S. DEPARTMENT OF AGRICULTURE — SOIL CONSERVATION SERVICE

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept WATER SUPPLY OUTLAND Expressed as "Poor, Fair, Average, Ex-

0. 1	r -	r -	WATER SOFTET SOFESON COR	ent with Respec	to Usuai Suppi
FORE-	ORE - % of +		- % of .	Flow F	eriod
CAST	Average	Average	STREAM or AREA	Spring Season	Late Season
100	161	62	Saguache Creek	Exc.	Exc.
265	144	184	Sangre de Cristo Cr.	Exc.	Exc.
27	159	17	Trinchera	Exc.	Exc.
165	136	121			
		}			
725	155	468			
180	156	115			
	FORE- CAST 100 265 27 165 725	FORE - % of Average 100 161 265 144 27 159 165 136 725 155	CAST Average Average 100 161 62 265 144 184 27 159 17 165 136 121 725 155 468	FORE - % of Average Average STREAM or AREA 100 161 62 Saguache Creek Sangre de Cristo Cr. Trinchera 725 155 468	FORE CAST Average Average Average STREAM of AREA Spring Season 100 161 62 Saguache Creek Sangre de Cristo Cr. Exc. 265 144 184 Sangre de Cristo Cr. Exc. 27 159 17 Trinchera Exc. 165 136 121

(1) Observed flow plus change in storage in Platoro Reservoir. (2) Observed flow plus change in storage in Sanchez Reservoir. (3) Observed flow plus change in storage in Sanchez Reservoir. (3) Observed flow plus change in storage in Sanchez Reservoir.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YE	EARS)				
RIVER BASIN and/or	Number of Courses	THIS YEAR'S SNOW WATER AS PERCENT OF			
SUB-WATERSHED	Averaged	Last Year	Average +		
Alamosa Conejos Culebra Rio Grande	2 3 4 10	178 156 149 192	151 145 165 159		

SOIL MOISTURE

JOIL MOTOTORE					
RIVER BASIN	Number of	THIS YEAR'S MOISTURE as PERCENT OF:			
	Stations	Last Year	Average †		
Alamosa Conejos Culebra Rio Grande	1 1 1 2	47 84 69 63	58 75 46 47		

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

	Usable	Usable Storage		05550,1010	Usable	Usable Storage			
	Capacity	This Year	Last Year	Average †	RESERVOIR	Capacity	This Year	Last Year	Average
Continental Platoro Rio Grande	27 60 46	3 19 9	3 36 28	6 9 18	Sanchez Santa Maria Terrace	103 45 18	7 4 5	16 8 10	14 7 6

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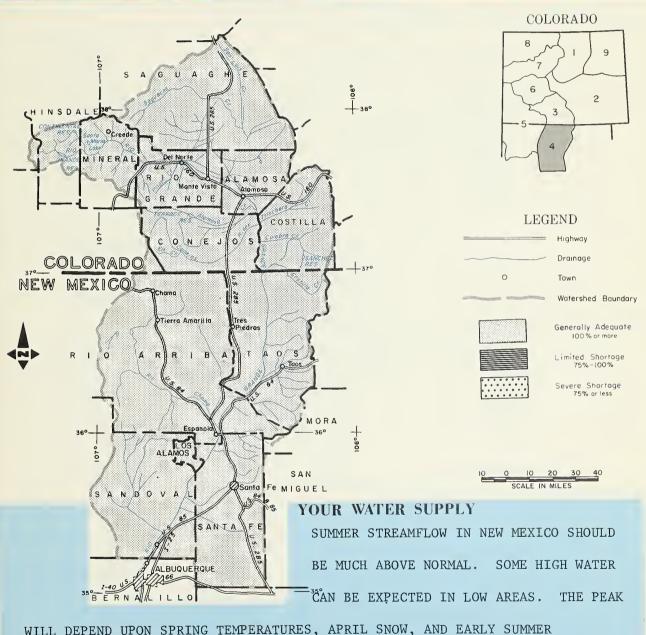


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WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE RIO GRANDE WATERSHED IN NEW MEXICO

as ofAPRIL 1, 1975

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



WILL DEPEND UPON SPRING TEMPERATURES, APRIL SNOW, AND EARLY SUMMER

PRECIPITATION. FLOWS SIMILAR TO 1957 AND 1965 CAN BE EXPECTED. SOILS ARE

GENERALLY IN GOOD CONDITION. CARRYOVER STORAGE IS NEAR NORMAL.

JACK N. WASHICHER SNOW SURVEY UNIT, SOIL CONSERVATION SERVICE DENVER, COLORADO

This report prepared by

MARION E STRONG – STATE CONSERVATIONIST

ABBUOURDUE, NEW MEDICO

U.S. DEPARTMENT OF AGRICULTURE — SOIL CONSERVATION SERVICE

STREAMFLOW FORECASTS (1000 Ac. Ft.)

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

				WINDER OUT I'M CON	ent with Respect	to Usual Supply
FORECAST POINT	FORE -	FORE - % of			Flow F	eriod
FORECAST POINT	CAST	Average	Average	STREAM or AREA	Spring Season	Late Season
0-1-11	20	150	10	R 1 1 0 1		
Costilla at Costilla(1)	29	150	19	Embudo Creek	Exc.	Exc.
Jemez River nr Jemez	50	172	29	Mora River	Exc.	Exc.
Pecos at Pecos	60	146	41	Nambe Creek	Exc.	Exc.
Red River at Mouth nr	43	148	29	Rio Ojo Caliante	Exc.	Exc.
Questa				Rio Pueblo de Taos	Exc.	Exc.
Rio Chama at El Vado	330	174	190	Santa Fe Creek	Exc.	Exc.
Rio Gr. at Otowi (2)	925	175	526			
Rio Gr. at San Mar (2)	610	171	355			
Rio Hondo nr Valdez	22	157	14			
Santa Cruz at Cundiyo	18	150	13			
The foresupt of the Pie Cronde at San Margial is	0" = (the Auser		the Fleehout Posts Inication District (110)	10.1.	

The forecast of the Rio Grande at San Morcial is % of the Average used by the Elephont Butte Irrigation District. (1) Observed flow plus change in Sturoge in El Vado and Abiquiu Reservoir.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YE	ARS)			
RIVER BASIN and/or	Number of Courses	THIS YEAR'S SNOW WATER AS PERCENT OF		
SUB-WATERSHED	Averaged	Last Year	Average 🕇	
Pecos Rio Chama Rio Grande, NM Rio Hondo Red River	1 5 11 1 2	315 250 168 172	205 206 169 168	

SOIL MOISTURE

RIVER BASIN	Number	THIS YEAR'S MOISTURE as PERCENT OF:		
	Stations	Last Year	Average †	
Pecos	1	125	36	
Rio Chama	2	62	47	
Rio Grande	4	124	69	
Red River	1	62		

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

THE DESTRICTION OF OTHER CONTRACT			LITE OI	. 1014 111	HECENTONI OTOMINAL C				
RESERVOIR	Usable	U	Usable Storage		RESERVOIR		L	Jsable Stora	ge
	Capacity	Capacity This Last Year Average Average	Capacity	This Year	Last Year	Average †			
Alamogordo	111	48	72	63	El Vado	195	95	128	6
Caballo	344	42	70	65	McMillan-Avalon		45	30	21
Conchas	273	132	172	184					
Elephant Butte	2195	445	794	394					
	1		l	1	1			. 1050	1972 period

1958-1972 period.

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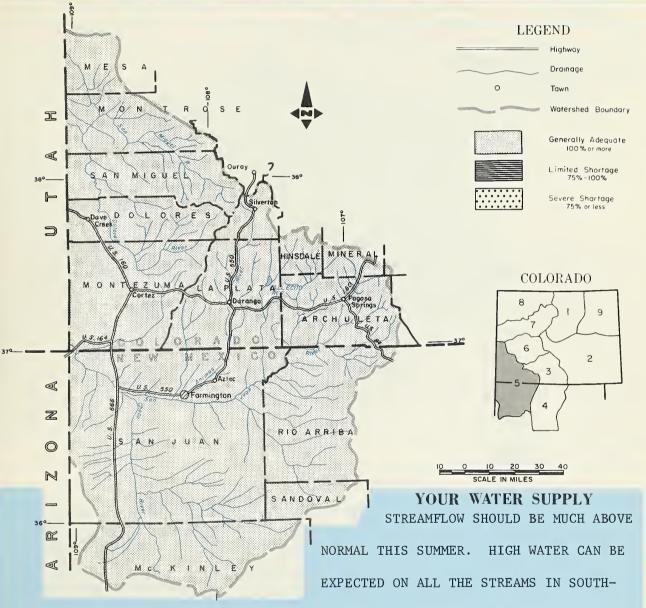


FIRST CLASS

WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE SAN MIGUEL, DOLORES, ANIMAS, AND SAN JUAN WATERSHEDS IN COLORADO AND NEW MEXICO

APRIL 1, 1975

U.S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



WESTERN COLORADO. THE EXTENT OF HIGH WATER WILL DEPEND UPON SPRING TEMPERATURES, SNOW DURING APRIL, AND SPRING PRECIPITATION. CURRENT SNOWPACK IS 150% TO 170% OF NORMAL WITH A MONTH OF POSSIBLE SNOWFALL LEFT.

JACK N. WASHICHEK NOW SURVEY UNIT, SOIL CONSERVATION SERVICE DENVER, COLORADO

MARION E STRONG - STATE CONSERVATIONIST ALBUOUEROUE, NEW MEXICO

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE D W GILLASPIE -- AREA CONSERVATIONIST ALAMOSA, COLORADO

JAMES E TATUM - AREA CONSERVATIONIST SANTA FE, NEW MEXICO

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

		-	-1 -	•
FORECAST POINT	FORE- CAST	% of Average	+ Average	
Animas at Durango	650	154	423	
Dolores at Dolores	375	162	232	
La Plata at Hesperus	40	167	24	
Los Pinos at Bayfield(1)	300	152	198	
Piedra Cr. at Arboles	315	170	185	
San Juan at Carracas	575	162	354	
San Miguel at	218	168	130	
Placerville				
Inflow to Navajo R. (1&2)	1000	168	597	
Mancos nr Towac	41		14	
(1) Observed flow plus change in storage in Vai	licito Rese	ervoir. (2) A	pril - July	- 1

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Ex-

WATER SOLLEL COLLOCK	cerre	ent with Kespeci	to Usual Supply.
		Flow F	eriod
STREAM or AREA		Spring Season	Late Season
Florida		Exc.	Exc.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YE	ARS)				
RIVER BASIN	Number of	THIS YEAR'S SNOW			
and/or	Courses	WATER AS PERCENT OF			
SUB-WATERSHED	Averaged	Last Year	Average +		
Animas	6	199	158		
Dolores	4	174	170		
San Juan	5	181	162		

COU MOICTURE

2011 MOI2 LOKE				
RIVER BASIN	Number of	THIS YEAR'S MOISTURE as PERCENT OF:		
	Stations	Last Year	Average +	
Animas Dolores San Juan	2 3 5	56 	56 77 72	

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable	U	sable Stora	ge
RESERVOIR	Capacity	This Year	Last Year	Average †
Groundhog Jackson Gulch Lemon Narraguinnep Navajo Vallecito	22 10 40 1036 126	8 3 5 12 308 30	15 7 19 11 326 73	10 5 20 227* 57
*Less than 15 yrs	Б.			

RESERVOIR STORAGE (Thousand Ac Et) SUB OF MONTH

	WEST A AND SIGNATE (1)	iiousaiiu i	NO. 11.7	END OF M	1ON I H	
	RESERVOIR	Usable	Usable Storage			
1		Capacity	This Year	Last Year	Average T	
*						

+ 1958-1972 period.

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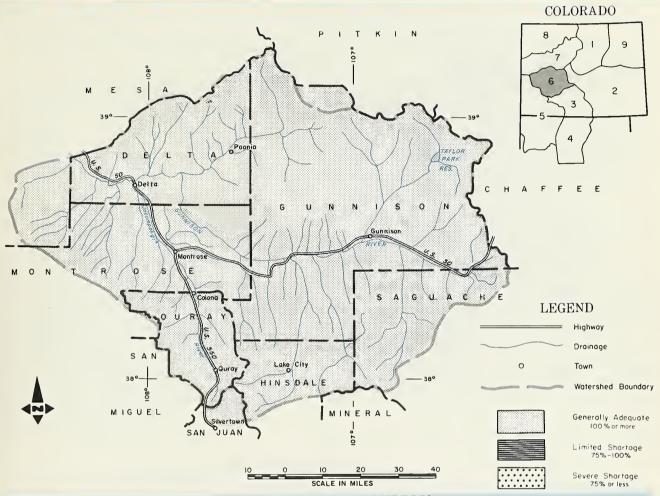


FIRST CLASS MA

WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE GUNNISON RIVER WATERSHED IN COLORADO

as of APRIL 1, 1975

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

SUMMER STREAMFLOW ON THE GUNNISON AND ITS TRIBUTARIES SHOULD BE MORE THAN

ADEQUATE FOR ITS MANY USES. ALL STREAMFLOWS ARE BEING FORECAST ABOVE NORMAL.

THE UNCOMPANGRE SHOULD EXCEED 150% OF THE 15 YEAR AVERAGE FLOW. SPRING

CLIMATIC PATTERNS WILL REGULATE THE PEAK. CARRYOVER STORAGE IS NORMAL.

This report prepared by

JACK N. WASHICHEK
SNOW SURVEY UNIT, SOIL CONSERVATION SERVICE
DENVER COLORADO

M D BURDICK - STATE CONSERVATIONIST DUANE L. JOHNSON - AREA CONSERVATIONIST ORAND JUNCTION, COLORADO

U.S. DEPARTMENT OF AGRICULTURE — SOIL CONSERVATION SERVICE

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept WATER SUPPLY OUTLONK Expressed as "Poor, Fair, Average, Ex-

	FORE-	FORE- % of +			Flow Period	
FORECAST POINT	CAST	Average	Average	STREAM or AREA	Spring Season	Late Season
Gunnison inflow to Blue Mesa (1)	1075	136	793	Taylor	Exc.	Exc.
Gunnison nr Grand Junction (2)	1650	139	1184			
N. Fork of Gunnison(3)	275	105	263			
Surface Creek nr Cedaredge	20	125	16			
Uncompangre at Colona	220	164	134			

(3) Observed flow plus change in storage in Paonia Reservoir.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YE	ARS)				
RIVER BASIN and/or	Number of Courses	THIS YEAR'S SNOW WATER AS PERCENT OF			
SUB-WATERSHED	Averaged	Last Year	Average +		
Gunnison Surface Creek Uncompahgre	12 3 3	132 139 164	133 123 164		

SOIL MOISTURE

Number of	THIS YEAR'S as PERCE		
Stations	Last Year	Average +	
1 -	81	116	
_			
		of as PERCE Stations Last Year	

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR Usable	Usable	Usable Storage		ge	DECEDVOIR	Usable	Usable Storage		
RESERVOIR		Capacity	This Year	Last Year	Average +				
Blue Mesa Morrow Point Taylor	830 121 106	336 115 50	262 115 63	315 114 65					1972 period

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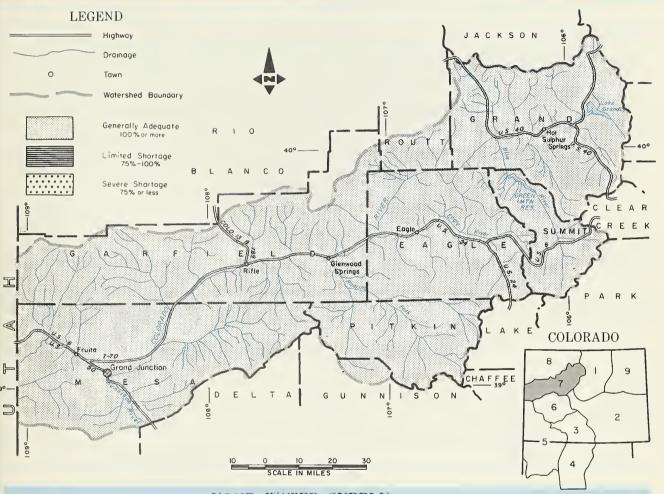


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WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE COLORADO RIVER WATERSHED IN COLORADO

as of APRIL 1, 1975

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

THE COLORADO RIVER AND ITS TRIBUTARIES SHOULD PROVIDE ADEQUATE WATER SUPPLIES

TO ALL WATER USERS THIS SUMMER. THE SNOWPACK IS CONSIDERABLY ABOVE NORMAL

AND THERE IS STILL ANOTHER MONTH OF POSSIBLE SNOW INCREASE REMAINING. STREAMFLOW FORECASTS RANGE FROM A LOW OF 103% OF NORMAL ON THE UPPER COLORADO TO

133% ON THE ROARING FORK. CARRYOVER STORAGE IS ABOVE NORMAL. FORECASTS ARE
BASED ON NORMAL CLIMATIC CONDITIONS FOR THE REMAINDER OF THE YEAR.

This report prepared by

JACK IN WASHICHER
SNOW SURVEY UNIT, SOIL CONSERVATION SERVICE
DENVER, COLORADO

M D BURDICK - STATE CONSERVATIONIST DENVER, COLORADO

U.S. DEPARTMENT OF AGRICULTURE — SOIL CONSERVATION SERVICE

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

				the state of the s		
FORECAST POINT	FORE-	% of	Average	CTD5444 4054	Flow P	
	CAST	Average		STREAM or AREA	Spring Season	Late Season
Blue inflow to Dillon	190	112	169	Brush	TP	
					Exc.	Avg.
Blue inflow to Green	325	109	297	Eagle River	Exc.	Avg.
Mountain (1)				Gypsum Creek	Exc.	Avg.
Colo. R. inflow to	235	103	228			
Granby Res. (2)						
Colo. R. nr Dotsero (3)	1700	119	1434			
Roaring Fork at	950	133	713			
Glenwood Springs (4)						
Wm. Fk. nr Parshall (5)	72	114	63			
Willow Cr. inflow to	52	111	47			
Willow Cr. Res.						
Colorado nr Cameo (6)	2800	118	2370			

(1) Observed flow plus diversions through Roberts Tunnel and change in storage in Dillon Reservoir. (2) Observed flow corrected for change in storage in Lake Granby as furnished by U.S.B.R. and diversions by Adams Tunnel and Grand River Ditch. (3) Observed flow plus the changes as indicated in (1), (2) and (5) plus Wolfat Ditch and Hilliams Fork, Green Mt. and Willow Creek Reservoirs. (4) Observed flow plus diversions through Divide and Tuin Lakes Tunnels plu change in storage in Ruedi Reservoir. (5) Observed flow plus diversions through August P. Gumlick Tunnel. (6) Observed flow plus the changes as indicated in (3) and (3).

SUMMARY Of SNOW MEASUREMENTS

SOIL MOISTURE

SOII	L M	IOIS	TU	RE

RIVER BASIN and/or	Number of Courses		AR'S SNOW PERCENT OF	RIVER BASIN	Number of	THIS YEAR'S MOISTURE as PERCENT OF:	
SUB-WATERSHED	Averaged	Last Year	Average +		Stations	Last Year	Average +
Blue River	8	110	121	Blue River	1	96	96
Colorado	21	97	111	Colorado	3	91	100
Plateau	3	135	123	Roaring Fork	1	64	70
Roaring Fork	7	132	134	Willow	1	98	79
Williams Fork	3	90	112				
Willow	2	96	109				
PECENTAIN OF OR ACT				DECERNAID CTARAGE (These		F1.)	

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

DECEBAGO	Usable	Usable Storage		age	PESERVOIR	Usable		Usable Storage	
RESER∀OIR	Capacity	This Year	Last Year	Average +	RESERVOIR	Capacity	This Year	Last Year	Average
Dillon	254	209	239	231	Ruedi	101	54	57	59
Granby	466	288	371	213	Vega	32	6	15	12
Green Mountain	147	62	54	54	Williams Fork	97	34	42	25
Homestake	43	33	21	15	Willow Creek	9	7	6	6
	1	ļ	1	1 1				1 1050	 -1972 period

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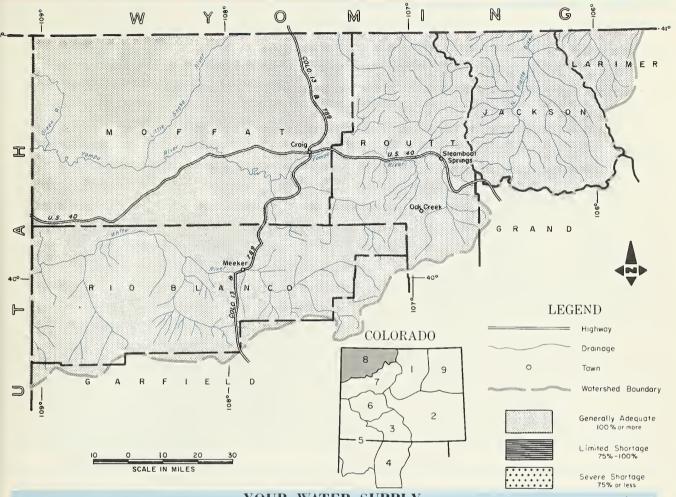


FIRST CLASS

WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE YAMPA, WHITE, AND NORTH PLATTE RIVER WATERSHEDS IN COLORADO

as of APRIL 1, 1975

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

WATER SUPPLIES SHOULD BE ADEQUATE IN NORTHWESTERN COLORADO. ALL STREAM
BASINS HAVE ABOVE NORMAL SNOWPACKS. ALL STREAMS SHOULD FLOW BETTER THAN
NORMAL. MOUNTAIN SOILS HAVE NEAR NORMAL SOIL MOISTURE AND VALLEY SOILS
ARE REPORTED TO BE IN GOOD CONDITION. SOME HIGH WATER MAY BE EXPECTED IN
LOW AREAS IF SPRING TEMPERATURES ARE CONSIDERABLE ABOVE NORMAL.

ADDITIONAL SNOW CAN FALL DURING APRIL.

This report prepared by

JACK N. WASHICHEK
SNOW SUBVEY UNIT, SOIL CONSERVATION SERVICE
DENVER, COLORADO

M D BURDICK - STATE CONSERVATIONIST
DENVER, COLORADO

U.S. DEPARTMENT OF AGRICULTURE — SOIL CONSERVATION SERVICE

CTDEAMEINW ENDERACTE (1000 An Et) Apr-Sont

STREAMFLOW FORECASTS (1000 A	c. Ft.)	Apr-	Sept		essed as "Poor, F ent" With Respect	
FORECAST POINT	FORE-	% of	+		Flow Period	
FORECAST FOINT	CAST	Average	Average	STREAM or AREA	Spring Season	Late Season
Elk at Clark Laramie nr Woods Little Snake at Lily N. Platte at Northgate White nr Meeker Yampa nr Maybell Yampa at Steamboat Springs	240 144 360	121 113 111 125 124 127 126	198 127 324 240 295 905 274	Canadian River Hunt Creek Illinois River Michigan River Oak Creek Trout Creek	Exc. Exc. Exc. Exc. Exc. Exc. Exc.	Exc. Exc. Exc. Exc. Exc. Exc. Exc.

SUMMARY of SNOW MEASUREMENTS

SOIL MOISTURE

(COMPARISON WITH PREVIOUS YE	EARS)			SOIL MOISTORE					
RIVER BASIN and/or	Number of Courses		THIS YEAR'S SNOW WATER AS PERCENT OF RIVER BASIN				Number of	THIS YEAR'S	
SUB-WATERSHED	Averaged	Last Year	Average +		Stations	Last Year	Average +		
Elk Laramie North Platte White Yampa	2 3 5 2 8	114 80 101 124 102	124 94 113 122 121	Laramie North Platte Yampa	1 2 1	95 92 75	100 90 97		
				,		. 105	8-1972 period.		

+ 1958-1972 period.

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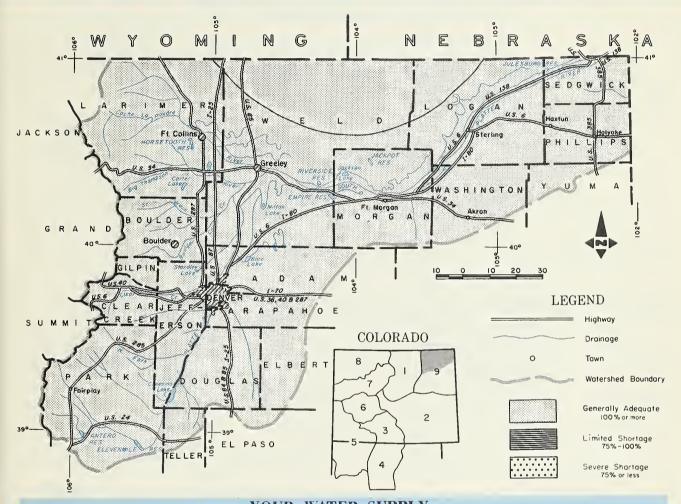


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WATER SUPPLY OUTLOOK FOR THE SOIL CONSERVATION DISTRICTS IN THE LOWER SOUTH PLATTE RIVER WATERSHED IN COLORADO

as ofAPRIL 1, 1975

U.S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



MONTH-END SNOWS IMPROVED THE SNOWPACK MATERIALLY, ESPECIALLY ON THE HEAD
WATERS OF THE SOUTH PLATTE. THE SOUTH PLATTE SHOULD FLOW MUCH ABOVE NORMAL
WHILE THE NORTHERN TRIBUTARIES SHOULD FLOW AT LEAST NORMAL. PLAINS SNOWFALL
ALSO WAS UP AND IMPROVED THE SOIL MOISTURE CONDITIONS. CARRYOVER STORAGE IS
EXACTLY NORMAL AND WILL PROVIDE GOOD SUPPLEMENTAL SUPPLIES. FORECASTS ARE
BASED ON NORMAL CLIMATIC CONDITIONS FOR THE REMAINDER OF THE YEAR.

This report prepared by	Issu	ed 5v
JACE N. WASHICHER SNOW SURVEY UNIT, SOIL CONSERVATION SERVICE DENVER, COLORADO	M D BURDICK - STATE CONSERVATIONIST DENVER, COLORADO U.S. DEPARTMENT OF AGRICULTUR	RODNEY M. ALT AREA CONSERVATIONIST GREELEY, COLORADO RE — SOIL CONSERVATION SERVICE

STREAMFINW FORECASTS (1000 Ac Ft) Apr-Sept WATER SUPPLY DILTIONK Expressed as "Poor, Fair, Average, Ex-

	,	Apr-		WAIER SUPPLY UUILUUN celle	ent" With Respec	t to Usual Supp
	FORE-	% of	+		Flow	Period
FORECAST POINT	CAST	Average	Average	STREAM or AREA	Spring Season	Late Season
dig Thompson at Drake (1)	110	103	107	South Platte from Greeley to Fort	Exc.	Avg.
Soulder at Orodell Cache La Poudre at	55 225	112 103	49 247	Morgan South Platte from	Exc.	Avg.
Canyon Mouth (2) Clear Cr. at Golden (3)	145	114	127	Fort Morgan to Sterling		
aint Vrain at Lyons(4)	80	107	75	South Platte below Sterling	Exc.	Avg.

(1) Observed flow plus by—pass to power plants. (2) Observed flow minus trans—basin diversions plus municipal and irrigation diversions. (3) Observed flow minu diversion through August P. Gumlick Tunnel. (4) Observed flow plus change in storage in Price Reservoir.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS TEARS)							
RIVER BASIN and/or	Number of Courses	THIS YEAR'S SNOW WATER AS PERCENT OF					
SUB-WATERSHED	Averaged	Last Year	Average +				
Big Thompson	5	99	106				
Boulder	3	92	106				
Cache La Poudre	8	94	104				
Clear Creek	6	109	117				
Saint Vrain	3	101	110				
South Platte	3	153	137				

SOIL MOISTURE

RIVER BASIN	Number	THIS YEAR'S MOISTURE as PERCENT OF:				
	Stations	Last Year	Average +			
Big Thompson	3	114	105			
Boulder	1	131	114			
Cache La Poudre	2	86	98			
Clear Creek	1	104	104			
Saint Vrain	1	131	114			
South Platte	1	110	102			

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable	Usable Storage			RESERVOIR	Usable	Usable Storage			
RESERVOIR	Capacity	This Year	Last Year	Average †	RESERVOIR	Capacity	This Year	Last Year	Average †	
Carter	109	107	101	95	Jackson	35	32	33	34	
Cheeseman	79	44	55	59	Julesburg	28	23	20	22	
Eleven Mile	98	97	97	88	Point of Rocks	70	71	70	66	
Empire	38	32	27	33	Prewitt	33	27	26	23	
Horsetooth	144	103	121	111	Riverside	58	52	58	58	

+ 1958-1972 period.

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APPENDIX I

SNOW COURSE MEASUREMENTS as of APRIL 1, 1975

	SNUM COOKSE MEASUKEMI		RMATION	PAST RE	CORO		
-	SNOW COURSE	OATE	SNOW OF PTH	WATER CONTENT (INCHES)	WATER CO	ONTENT HES)	SNOW COL
	200.00	SURVEY	OEPTH (INCHES)	(INCHES)	YEAR C	8-72	SNOW COL
1	NORTH PLATTE BASIN						Cucharas Ri
	Laramie River						Apishapa
	Deadman Hill	3/31 3/28	50 41	14.2		16.8	Cucharas (La Veta Pa
	McIntyre Roach	3/28	61	17.8		10.8	Purgatoire
	North Platte River						Bourbon
	Cameron Pass	3/31	83	31.9		28.7	RIO GRANDE E
	Columbine Lodge	3/31 3/26	84 22	29.5 5.8	27.6	24.0 6.5	Alamosa Riv
	Northgate Park View	3/27	47		10.8	9.2	Silver Lak
	Willow Cr. Pass (B)	3/27	56	14.0	13.8	12.7	Summitvill
	SOUTH PLATTE BASIN						Conejos Riv Cumbres
	Boulder Creek						La Manga
	Baltimore	3/28 Est.	29	7.7 14.0	8.7	6.8	Platoro
	Boulder Falls University Camp	Est.		20.0		13.4 19.3	River Spri
	Big Thompson River	· ·					Culebra Riv Brown Cabi
	Deer Ridge	3/28	25	5.2	4.8	4.8	Cottonwood
	Hidden Valley	3/28	48 69	10.1	1 1	10.5	Culebra La Veta Pa
	Lake Irene (B) Long's Peak	3/24	55	13.5		10.9	Trinchera
	Two Mile	3/27	59	15.3	15.5	15.1	Rio Grande
	Cache La Poudre	0 / 0 0	0.7				Cochetopa
	Bennett Creek Big South	3/29 3/28	27 10	6.4 2.6	9.8	2.1	Grayback Hiway
	Cameron Pass	3/31	83	31.9	30.8	28.7	Lake Humph
	Chambers Lake	3/28	37 50	12.1	10.8	9.6	Love Lake Pass Creek
	Deadman Hill Hourglass Lake	3/29	29	6.6	10.0	6.7	Pool Table
	Joe Wright	3/31	77	26.6	26.5		Porcupine
	Lost Lake Pine Creek	3/28	46 10	12.9	13.1	11.8	Santa Mari Upper Rio
	Red Feather	3/31	25	6.3	9.0	6.9	Wolf Creek
	Clear Creek						Wolf Cr. S
	Baltimore (B)	3/28	29	7.7	8.7	6.8	RIO GRANDE I
	Berthoud Falls Empire	3/28	58 40	17.4 10.4	9.9	13.6	Pecos River
	Grizzly Peak (B)	3/27	70	22.3	19.2	18.9	Panchuela
	Loveland Lift Loveland Pass	3/27	69 59	20.8		21.1 15.7	Rio Chama Bateman
		3/2/	33	19.0	10.0	13.7	Capulin
	St. Vrain River Copeland Lake	3/27	24	6.3	4.2	4.4	Capulin Pe Chama Divi
	Ward	3/26	25	5.9	6.5	6.5	Chamita Chamita
	Wild Basin	3/29	46	12.2	13.3	11.2	Rio Grande
	South Platte River Como	3/31	36	8.9	5.2		Big Tesuq
	Geneva Park	3/28	25	5.0	3.1	3.8	Bluebird N Cordova
	Horseshoe Mt.	3/28 3/28	61 59	16.2 17.5	9.8	12.9	Elk Cabin
	Hoosier Pass Jefferson Creek	3/31	46	12.9	7.1	9.2	Hopewell
	Mosquito	3/28	53	14.2	8.3		La Cueva Pajarito
	Trout Creek Pass	3/27	30	6.7	5.5		Pajarito 1
	ARKANSAS BASIN						Payrole Quemazon
	Arkansas River Bigelow Divide	3/28	34	9.5	10.8	6.5	Rio En Med
	Cooper Hill (B)	3/28	54	14.4		11.3	Sandoval Taos Canyo
	East Fork	3/26	42	12.3	11.3	9.8	Teakettle
	Four Mile Park Fremont Pass	3/29 3/26	35 62	10.4 18.2	5.3 17.5	5.1 16.2	Tres Ritos
	Garfield	3/27	65	19.9	14.5	13.0	
	Hermit Lake Monarch Pass	3/25	48 78	16.1 24.4	9.6	17.1	Taos Powde
	Twin Lakes Tunnel	3/31	45	14.8		10.7	Red River Hematite
	Westcliffe	3/25	40	13.2		6.3	Red River
	Tennessee Pass	3/29	48	13.5	9.7	10.6	Red River

	CUF	RRENT INFOR	RMATION	PAST R	_
SNOW COURSE	OATE OF	SNOW OEPTH (INCHES)	WATER CONTENT	WATER C	
	SURVEY	(INCHES)	(INCHES)	LAST YEAR	58–72
Cucharas River					
Apishapa	3/28	36	10.6	10.2	
Cucharas Creek	3/28	43	12.9		
La Veta Pass (B)	3/28	45	13.4	10.3	7.4
Purgatoire River					
Bourbon	3/27	41	11.3	7.6	7.0
RIO GRANDE BASIN-COLO					
Alamosa River					
Silver Lakes	3/26	44	10.3	1.7	5.3
Summitville	3/2/	99	25.8	18.5	18.6
Conejos River	3/31	84	24.5	19.3	18.0
Cumbres La Manga	3/31	90	27.6	18.4	18.0
Platoro	3/30	83	22.4	13.7	16.3
River Springs	3/31	35	9.4	3.0	4.6
Culebra River					
Brown Cabin	3/29	41	12.2	4.1	
Cottonwood (B)	NS 3/26	47	12.6	7 2	8.4
Culebra La Veta Pass (B)	3/26	47	12.6	7.2	7.4
Trinchera (B)	3/28	44	10.5	7.4	
Rio Grande					
Cochetopa Pass	3/26	38	9.6	6.8	5.9
Grayback	3/27	81	21.7	15.6	
Hiway	3/31	111	34.7	20.6	23.8
Lake Humphrey	3/28 3/31	47 53	10.8	3.8	6.1
Love Lake Pass Creek	3/31	62	18.2	9.5	9.8
Pool Table	3/31	33	6.4	4.0	6.1
Porcupine	3/28	63	16.7	6.3	10.5
Santa Maria	3/29 3/30	40 52	10.6	1.5	3.6 7.5
Upper Rio Grande Wolf Creek Pass	3/30	115	39.4	22.6	25.5
Wolf Cr. Summit (B)	3/31	130	41.6	25.8	28.3
RIO GRANDE BASIN - NM		ļ			
Pecos River					
Panchuela	4/01	14	4.1	1.3	2.0
Rio Chama					
Bateman	3/26	52	17.1	10.2	11.7
Capulin	3/28	25	7.2	2.0	2.7
Capulin Peak Chama Divide	3/28	27 24	7.5	3.0	
Chamita Chamita	3/28	57	16.4	6.9	7.2
Rio Grande					
Big Tesuque	3/26	25	8.8	4.5	4.6
Bluebird Mesa	Dropp	ed		1.1	3.5
Cordova	3/25	42	11.5	9.7	
Elk Cabin	3/27	17 64	3.6	4.3	2.5
Hopewell La Cueva	3/31	32	10.7	4.1	
Pajarito	3/27	2	0.2	0.0	0.0
Pajarito Peak	3/27	7	2.1	0.0	1 6
Payrole Quemazon	3/28 3/27	47 53	13.6	6.3 9.3	
Rio En Medio	3/26	36	12.4	9.7	7.4
Sandoval	3/28	29	8.6	3.6	4.2
Taos Canyon	3/26	29	7.4	4.3	
Teakettle Tres Ritos	3/26 3/25	40 24	12.8	8.1	4.8
	3,23	24	0.0	2.2	7.0
Rio Hondo Taos Powderhorn	3/27	102	32.1	19.8	
Red River Hematite Park (B)	3/24	23	6.1	2.9	3.5
Red River	3/24		9.2	6.0	5.6
Red River #2	3/26	31	9.1	4.7	

NOTE: NS - No Survey
(B) - On adjacent drainage

APPENDIX I

SNOW COURSE MEASUREMENTS as of APRIL 1, 1975

SNOW COURSE MEASUREME	_	RRENT INFOR		PAST R			CUI	RENT INFO	RMATION	PAST RECORD	
SNOW COURSE	OATE OF SURVEY	SNOW OEPTH (INCHES)	WATER CONTENT (INCHES)	WATER C (INC LAST YEAR	AVG	SNOW COURSE	OATE OF SURVEY	SNOW OEPTH (INCHES)	WATER CONTENT (INCHES)	WATER O (INC LAST YEAR	HES)
SAN JUAN-DOLORES BASIN						Colorado River					
Animas River						Arrow	3/28 3/26	46 52	16.2 15.9	17.8	
Cascade	3/28 3/31	67 52	19.5 16.0	8.1	10.2	Berthoud Pass Berthoud Summit	3/28	65	19.2	21.0	
Lemon Mineral Creek	3/28	77	24.6	11.8		Cooper Hill	3/28	54	14.4	14.1	
Molas Lake	3/28	65	20.0	10.7		Fiddler Gulch	3/31	59	16.6	15.0	14.5
Purgatory	3/28	109	31.1	13.9		Glenmar Ranch Gore Pass	3/27 3/28	40 43	10.4	11.7	8.5
Red Mt. Pass (B) Silverton Sub-Sta.	3/28	125 46	41.5 13.5	25.3	31.5	Grand Lake	3/24	37	8.8	10.0	8.
Spud Mountain	3/28	120		16.8		Lake Irene	3/24	69	21.6	22.8	
Dolores River						Lapland	3/27 3/30	42 66	11.3	12.8	
Lizard Head	3/31	75	25.8	16.3	17.2	Lulu Lynx Pass	3/28	53	16.8	12.7	
Lone Cone	3/31	66	22.1	16.8		McKenzie Gulch	3/27	40	9.2	5.8	5.
Rico Telluride	3/31	40 52	12.2 13.5	7.3	6.1	Middle Fork	3/27	39	10.9	11.6	9.
Trout Lake	3/28 3/28	73	22.6	14.5		Milner	3/24 3/25	46 33	12.6	13.7	13.
San Juan River	_,	, ,				North Inlet Pando	3/26	48	13.1	10.3	8.
Chama Divide (B)	3/27	24	6.7	0.0	1.7	Phantom Valley	3/24	41	10.3	9.3	
Chamita (B)	3/28	56	16.4	6.9	7.2	Ranch Creek	3/28	38	9.2	13.5	9.
Upper San Juan	3/31	127	43.5	26.1		Tennessee Pass (B)	3/29	48 64	13.5	9.7	
Wolf Cr. Pass (B) Wolf Cr. Summit	3/31 3/31	115 130	39.4 41.6	22.6		Vail Pass Vasquez	3/27	48	12.8	16.4	17. 12.
	3/ 31	130	41.0	25.0	20.5	Roaring Fork					
GUNNISON BASIN						Aspen	3/28	72	21.4	19.9	17.
Gunnison River	3/28	02	26.5	10 2	22.0	Independence Pass	3/31	65	20.2	14.0	
Alexander Lake Blue Mesa	3/31	83 44	11.7	19.2	7.2	Ivanhoe	3/28	70 59	21.7	22.4	_
Butte	3/28	60	17.9	15.6		Kiln Lift	3/28	61	16.8	16.8	17
Cochetopa Pass (B)	3/26	38	9.6	6.8	5.9	McClure Pass	3/31	67	22.6	15.0	
Crested Butte	3/26 3/27	60 81	18.0	16.2		Nast	3/28	36	9.9	8.0	5.
Keystone Lake City	3/25	41	10.7	21.1	8.0	North Lost Trail	3/31	60	19.8	12.4	14.
Mesa Lakes (B)	3/28	71	22.5	16.1		Williams Fork River	2/07	/ 0	10 /		
McClure Pass	3/31	67	22.6	13.9		Glenmar Ranch Jones Pass	3/27 3/26	40 56	10.4	11.7	8.
Park Cone	3/25	47 95	12.7	9.7	10.6	Jones Pass Middle Fork	3/27	39	10.9	111.6	9.
Park Reservoir Porphyry Creek	3/27	80	22.6	18.4		Willow Creek					
Tomichi	3/27	65	18.2	15.4	1	Granby	3/27	30	8.1	9.2	7.
Surface Creek						Willow Cr. Pass	3/27	56	14.0	13.8	12.
Alexander Lake	3/28	83		19.2		Plateau Creek	0.100	7.1	00.5	, , ,	, -
Mesa Lakes	3/28	71 95	22.5	16.1		Mesa Lakes	3/28	71 95	22.5	16.1	
Park Reservoir	3/28	95	30.1	21.0	23.0	Park Reservoir Trickle Divide	3/28	95	30.1	23.8	
Uncompangre River Ironton Park	3/31	67	23.7	15.6	10.2	YAMPA BASIN	,				
Red Mountain Pass	3/28		41.9	25.3							
Telluride (B)	3/28	52	13.5	7.3	6.5	Elk River Elk River	3/27	70	21.2	19.3	17.
COLORADO BASIN						Hahn's Peak	3/27	ł.		15.1	
Blue River						White River					
Blue River	3/28		10.8	9.4		Burro Mountain	3/27			15.5	
Fremont Pass	3/26			17.5		Rio Blanco	3/26	55	18.3	17.0	15.
Frisco Grizzly Peak	3/27		10.6	7.4	7.4 18.9	Yampa River	0.12				
Hoosier Pass (B)	3/28			13.0		Bear River	3/28 3/26		13.7	11.9	
Shrine Pass	3/26	69	20.9	20.6	18.1	Fish Creek Columbine (B)	3/26			27.6	
Snake River	3/27		8.7	10.0	7.9	Crosho	3/28		1	15.4	
Summit Ranch	3/28	34	8.5	9.5	7.1	Dry Lake	3/26		23.1	24.6	
						Lynx Pass (B) Rabbit Ears	3/28 3/31		16.8	12.7	
						Yampa View	3/31		18.4	20.0	
						Tower	3/26		1	54.0	1
				1	1		1	1	1	'	,

NOTE: NS - No Survey
(B) - On adjacent drainage

APPENDIX II

SOIL MOISTURE MEASUREMENTS as of April 1, 1975

STATION	DATE OF SURVEY	CAPACITY (INCHES)	THIS YEAR	LAST YEAR	AVG. ALL DATA
NORTH PLATTE BASIN					
North Platte River					
Muddy Pass Willow Pass	3/31 3/27	11.1 9.5	6.7 5.3	7.6 5.4	6.6 6.7
SOUTH PLATTE BASIN					
Boulder Creek					
Alpine Camp	3/25	6.9	4.2	3.2	3.7
Big Thompson River					
Beaver Dam Guard Station Two Mile	3/28 3/28 3/28	7.1 6.9 9.1	3.8 3.1 5.6	3.4 3.0 4.6	3.5 3.6 4.8
Clear Creek					
Clear Creek Hoop Creek	3/27 3/26	9.5 4.9	2.5	5.6 2.6	5.4 2.6
Cache La Poudre River					
Feather Laramie Road	3/31 3/28	10.1 12.4	4.3 6.9	5.7 7.3	4.5 6.9
South Platte River					
Hoosier Pass Kenosha Pass	3/28 3/31	7.8 4.4	4.5 2.1	4.1	4.4
ARKANSAS BASIN					
Arkansas River					
Garfield Leadville Twin Lakes Tunnel	No Reading 3/26 3/26	6.7 7.8 4.5	3.9 2.6	4.9 3.6 2.6	3.6 3.6 2.3
RIO GRANDE BASIN - COLORADO	3, 23				
Conejos River					
Mogote	3/24	10.7	4.6	5.5	6.1
Rio Grande					
Bristol View La Veta Pass	3/31 3/28	6.1 11.9	2.1	4.4 5.8	3.6
RIO GRANDE BASIN - NEW MEXICO					
Rio Chama					
Bateman	3/26	6.7	2.0	1.8	3.1
Chamita	3/28	8.0	2.0	4.6	5.4
Rio Grande					
Aqua Piedra Big Tesuque Rio En Medio Taos Canyon	3/26 3/26 3/26 3/26	7.2 3.7 3.5 3.3	3.6 0.9 0.5 2.2	1.4 1.7 0.4 2.3	4.5 2.2 1.4 2.3
Red River					
Red River Summit	3/24	4.9	1.5	2.4	

ALL PROFILES & FEET DEEP

APPENDIX II

SOIL MOISTURE MEASUREMENTS as of April 1, 1975

STATION	DATE OF SURVEY	CAPACITY (INCHES)	THIS YEAR	LAST YEAR	AVG. ALL DATA
ANIMAS - SAN JUAN BASINS					
Animas River					
Cascade Mineral Creek Molas Lake	No Reading 3/07 3/07	9.1 5.7 9.4	2.7	3.6 3.2 4.1	6.0 3.2 4.1
Dolores River					
Dolores Lizard Head Rico	3/31 3/31 3/31	19.6 11.8 13.8	8.8 3.8 5.0		8.6 5.4 8.8
GUNNISON BASIN					
Gunnison River					
King	3/27	3.3	2.2	2.7	1.9
COLORADO BASIN (Mainstem)					
Blue River					
Blue River	3/28	4.2	2.4	2.5	2.5
Colorado River					
Berthoud Pass Gore Grand Mesa Ranch Creek Vail	3/27 3/28 Inoperative 3/28 No Reading	3.9 4.9 12.5 8.7 12.3	2.7 2.4 5.6	2.7 2.5 8.5 6.5 8.0	2.6 2.7 9.9 5.3 8.5
Roaring Fork River					
Placita	3/31	9.3	4.7	7.4	6.7
YAMPA BASIN					
Yampa River					
Hahn's Peak	3/27	13.1	7.6	10.1	7.8

ALL PROFILES 4 FEET DEEP

LIST of COOPERATORS

The following organizations cooperate in snow surveys for the Colorado, Platte, Arkansas and Rio Grande watersheds. Many other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

STATE

Colorado State Engineer New Mexico State Engineer Nebraska State Engineer Colorado State University Experiment Station Rocky Mountain Forest and Range Experiment Station

FEDERAL

Department of Agriculture

Forest Service Soil Conservation Service

Department of Interior

Bureau of Reclamation Geological Survey National Park Service Indian Service

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City of Boulder City of Fort Collins

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Arkansas Valley Ditch Association Colorado River Water Conservation District

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